Title (en)

ROAD SURFACE CONDITION PREDICTION SYSTEM, DRIVING ASSISTANCE SYSTEM, ROAD SURFACE CONDITION PREDICTION METHOD, AND DATA DISTRIBUTION METHOD

Title (de)

STRASSENOBERFLÄCHENZUSTANDSVORHERSAGESYSTEM, FAHRASSISTENZSYSTEM, STRASSENOBERFLÄCHENZUSTANDSVORHERSAGEVERFAHREN UND DATENVERTEILUNGSVERFAHREN

Title (fr)

SYSTÈME DE PRÉDICTION DE CONDITION DE SURFACE DE ROUTE, SYSTÈME D'AIDE À LA CONDUITE, PROCÉDÉ DE PRÉDICTION DE CONDITION DE SURFACE DE ROUTE ET PROCÉDÉ DE DISTRIBUTION DE DONNÉES

Publication

EP 3514579 A1 20190724 (EN)

Application

EP 17850815 A 20170908

Priority

- JP 2016178972 A 20160913
- JP 2016178973 A 20160913
- JP 2017032454 W 20170908

Abstract (en)

A road surface condition prediction system (1) includes a collector (210) which collects pieces of moisture information on moisture on a road surface obtained by detecting the moisture on the road surface of a road (3) on which multiple moving bodies (1A and 1B) are traveling, and pieces of position information each indicating a position on the road surface at which the moisture is detected, one or more of the pieces of moisture information and one or more of the pieces of position information being collected from each of the multiple moving bodies (1A and 1B); and a predictor (220) which predicts a moisture condition of a target road surface at a time after a time at which moisture on the target road surface is detected, based on moisture information obtained by detecting the moisture on the target road surface among the pieces of moisture information collected by the collector (210), the target road surface being a road surface at a position indicated by at least one of the pieces of position information collected by the collector (210).

IPC 8 full level

G01W 1/00 (2006.01); **B60W 40/06** (2012.01); **G01C 21/34** (2006.01); **G08G 1/00** (2006.01); **G08G 1/13** (2006.01); **G08G 1/137** (2006.01)

CPC (source: EP US)

B60W 40/06 (2013.01 - EP US); **B60W 40/064** (2013.01 - EP US); **B60W 50/0097** (2013.01 - EP US); **B60W 60/0016** (2020.02 - US); **G01C 21/3691** (2013.01 - EP US); **G01W 1/02** (2013.01 - EP US); **G01W 1/14** (2013.01 - EP US); **G08G 1/0112** (2013.01 - EP US); **G08G 1/0129** (2013.01 - EP US); **G08G 1/0141** (2013.01 - EP US); **G08G 1/096725** (2013.01 - EP US); **G08G 1/09675** (2013.01 - EP US); **G08G 1/096775** (2013.01 - EP US); B60W 2050/0075 (2013.01 - EP US); B60W 2420/403 (2013.01 - US); B60W 2420/408 (2024.01 - US); B60W 2420/54 (2013.01 - US); B60W 2552/00 (2020.02 - US); B60W 2552/40 (2020.02 - US); B60W 2555/20 (2020.02 - EP US); B60W 2556/10 (2020.02 - EP US); B60W 2556/45 (2020.02 - EP); B60W 2556/50 (2020.02 - US)

Cited by

KR20200026146A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3514579 A1 20190724; **EP 3514579 A4 20200101**; CN 109689463 A 20190426; CN 109689463 B 20220315; JP 6830212 B2 20210217; JP WO2018051913 A1 20190624; US 11312383 B2 20220426; US 2019217864 A1 20190718; WO 2018051913 A1 20180322

DOCDB simple family (application)

EP 17850815 A 20170908; CN 201780054687 A 20170908; JP 2017032454 W 20170908; JP 2018539681 A 20170908; US 201716331435 A 20170908